Search Report from Ginger R. DeMille

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         (c) 2004 FIZ TECHNIK
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         (c) 2004 American Economic Association
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         (c) 2004 The HW Wilson Co
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S1        598   (VOLATILITY OR VOL)(1W)(CONTRACT? ? OR AGREEMENT? ? OR SWA-
                P?)
S2          2   S1(2S)(SETTLEMENT)(2S)(EQUATION? OR FORMULA?)
S3     240537   DS
S4         21   S1 AND SETTLEMENT AND (EQUATION? OR FORMULA?)
S5         15   RD (unique items)
? t5/3,k/all
>>>KWIC option is not available in file(s): 19, 66, 241
```

5/3,K/1 (Item 1 from file: 13)

1261507 Supplier Number: 03437197 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Pricing Asian-style interest rate swaps.

Article Author(s): Chang, Chuang-Chang; Chung, San-Lin
Journal of Derivatives, v 9, n 4, p 45(11)
Summer 2002
DOCUMENT TYPE: Journal ISSN: 1074-1240 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3592

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...by the average price of an asset over a period of time leading up to **settlement** .

Over the last decade, a tremendous dollar amount of Asian-style interest rate derivatives has...

...rate swap in which each payoff is determined by the average rate between two consecutive **settlement** dates. We also investigate how the shape of the initial term Structure and the changes...

...options. Another approach, considered by Yor (1992) and Geman and Yor (1993), is to derive **formulas** for the Laplace transform of an Asian option.

Rogers and Shi (1995) provide a method...

...are more likely to occur when the underlying asset is a non-financial instrument. If **settlement** is less frequent, then the price differences between Asian and standard swap prices are greater...the remaining life;

0 is the current time;

(t.sub.i) is the i-th **settlement** date;

T is the maturity of the interest rate swap in years; and

B(t...

...G(r) at maturity date T. Next, H(r, t, T) satisfies the partial differential **equation** :
(H.sub.t) + ((sigma).sup.2)/2 (H.sub.rr) + ((theta)(t) -(beta)r)(H.sub.r) - rH = 0 (3)

Equation (3) is subject to the expiration condition, H(r, t, T) = G(r). Following the...

...valuation of future uncertain interest payments.

The payoff of the interest rate swap at any **settlement** date (t.sub.i) is P X ((r.sub.(t.sub.i-1)) - k) X...

...i))) (5)

We can write the present value of all future floating-rate payments as

(**Formula** omitted)

(**Formula** omitted) (6)

The derivation of **Equation** (6) is in the appendix. Solving the stochastic differential **equation** given in (1), we obtain an expression for the short-term interest rate at any time (t.sub.i-1) as follows:
(**Formula** omitted) (7)

Therefore, the time (t.sub.i-1) value of the short-term interest...

...t.sub.i-1)))).sup.2)/2((beta).sup.2) (8)

and the covariance is:

(**Formula** omitted) (9)

When the swap is first initiated, the fixed rate must be set to...

...integral).sup.(t.sub.i).sub.0)(r.sub.s)ds) are as given in **Equations** (8) and (9).

From **Equation** (10), the swap rate of a standard interest rate swap depends mainly on the expected...

...the short-term interest rates at each reset date and the discount factor for each **settlement** date.

Pricing Asian-Style Interest Rate Swaps
Consider an Asian-style interest rate swap in...

...an investor pays a fixed rate and receives the average floating rate between two consecutive **settlement** dates, (t.sub.i) and (t.sub.i-1). Let (A.sub.(t.sub.i)) denote the average interest rate between two consecutive **settlement** dates, (t.sub.i-1) and (t.sub.i), where the average is computed as sub.i).sub.(t.sub.i-1)) (r.sub.s)ds (11)

Rewrite **Equation** (11) as follows:

(A.sub.(t.sub.i)) = 1/(t.sub.i) - (t.sub.i...

...0) (r.sub.s)ds)) X B(0, (t.sub.i))) (13)

where the explicit **formulas** of
(E.sub.0)(((integral).sup.(t.sub.i).sub.0)(r.sub.s)ds...

...exp(-((integral).sup.(t.sub.i).sub.0)(r.sub.s)ds)) is given in **Equation** (13).

Comparing k and (k.sup.*), we find that the key factor that makes these... ...and the expected values for the average short rate over the period between two consecutive **settlement** dates. Chance and Rich (1996) have shown that the difference between Asian-style and standard asset swap prices depends on the size of the cost of carry and the **settlement** frequency. We will show that the key factor that makes the swap rates of Asian...

...result demonstrates that there is a negative relationship between changes in short-term interest rate **volatility** and **swap** rates, no matter what the term structure shape.

The reason is that the swap rate...term interest rates at each reset date.

IV. SUMMARY

We have developed closed-form pricing **formulas** for Asian-style interest rate swaps and compared their swap rates with conventional interest rate...

...sub.y) ((integral).sup.(infinity).sub.-(infinity)) (e.sup.-y)y f(y)d y

= (**Formula** omitted)
= (e.sup.(-((micro).sub.y) + 1/2((sigma).sup.2.sub.y)))(((micro).sub...

...terms used in the lemma. Given the expression of the short rate at any time (**Equation** (7)), we need to evaluate the following in order to price a standard interest rate...

...2)((1 - (e.sup.-(beta)(t.sub.i-1))).sup.2)/2((beta).sup.2)

(**Formula** omitted)

= - ln B(0, (t.sub.i)) + ((sigma).sup.2)/2((beta).sup.3)(2...

...1/2(e.sup.-2(beta)(t.sub.i)) - 3/2 + (beta)(t.sub.i))

(**Formula** omitted)

= ((sigma).sup.2)/((beta).sup.3)(2(e.sup.-(beta)(t.sub.i)) - 1/2(e.sup.-2(beta)(t.sub.i)) - 3/2 + (beta)(t.sub.i))

(**Formula** omitted)

Therefore, we obtain **Equation** (6) by simply applying the lemma. Finally, to price an Asian-style interest rate swap, we have to evaluate

(**Formula** omitted)

(GRAPH OMITTED)

(GRAPH OMITTED)

(GRAPH OMITTED)

(GRAPH OMITTED)

ENDNOTES

An earlier version of this...

...Trafalgar House, entered an oil swap contract with a swaps dealer in 1989. At each **settlement** date, if the average daily price of fuel oil exceeded the agreed-upon price, Cunard...it is taken under the (t.sub.i)-maturity forward risk-neutral measure, we have

(**FORMULA** NOT REPRODUCIBLE IN ASCII)
= (E.sub.0)((r.sub.(t.sub.i-1))) - Cov((r...

5/3,K/2 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02056555 57955303
Estimating and pricing credit risk: An overview
Kao, Duen-Li
Financial Analysts Journal v56n4 PP: 50-66 Jul/Aug 2000
ISSN: 0015-198X JRNL CODE: FIA
WORD COUNT: 9123

...TEXT: have positive relationships with changes in the Treasury curve slope, interest rate option volatility (3m- **Vol**), and **swap** spreads. They are negatively correlated with changes in LIBOR, interest rate levels, and equity returns...Ederington 1985; Rodriguez 1988; Kau, Keenan, Muller, and Epperson 1986). The simple relationship presented in **Equations** 1 and 2 serves as a useful foundation for the complex risk-pricing models developed ...

...and bond markets. For example, following the relationship of credit risk and spread depicted in **Equation** 2, one can simply estimate default probabilities by assuming a recovery rate and a credit...loans, private debt, and commercial mortgages, both the recovery process (time and costs of the **settlement**) and the default process (rates and aging effect) are different from those for publicly traded...the model applies default and recovery estimates to the risk-neutrality relationship as stated in **Equation** 1. (Note ... market price/spread information or a credit rating.) Obviously, the discounted risk-free rate in **Equation** 1 can be relaxed to be stochastic via a standard interest rate process. Kao (1996...

5/3,K/3 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

08042144 Supplier Number: 66930613 (USE FORMAT 7 FOR FULLTEXT)
LEARNING CURVE (R) VARIANCE SWAP VOLATILITY AND OPTION STRATEGIES.
Derivatives Week, v9, n44, p7
Oct 30, 2000
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1257

... works: Counterparty A agrees to pay Counterparty B a fixed notional amount due at the **settlement** date. In exchange, Counterparty B will pay Counterparty A an amount proportional to the sum...

...s.sub.i)/(s.sub.i)).sup.2)
where n= number of business days until **settlement** , and
(S.sub.i)=0,2,...,n represent daily closing prices of the underlying stock

...

...interpreted as an estimator of the realized variance of stock returns from now to the **settlement** of the contract.
For instance, a contract can be stipulated as follows: using the Standard...
...variance above ((sigma).sup.2)=5.29% (where the variance is computed using the above **formula**) and A agrees to pay B USD100,000 per variance point below this value. In...

...contract. This is the definition of the variance swap volatility. We will next derive a **formula** for computing it.
VARIANCE SWAPS AND LOG-CONTRACTS
A key observation, separately noted by Neuberger...

...i+1)-(S.sub.i)/(S.sub.i)).sup.2)
Summing both sides of this **equation** over the total number of days in the contract, and rearranging terms, we obtain
(((sigma...

...delta at the close of each trading day, assuming that funding costs are zero.
A **FORMULA** FOR THE VSV
To price the log-contract, we approximate the payoff with a function
...

...the prices of European puts and calls with strike K expiring in T years. This **formula** can be interepreted as an arbitrage relationship between the implied volatilities of traded options and...example, liquid contracts trading at levels deeply below VSV should be attractive for buyers of **volatility** , while **contracts** trading above the VSV should be viewed as expensive from this perspective.
As a general...

5/3,K/4 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

34067434 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Q1 2004 Atmos Energy Corporation Earnings Conference Call - Part 1
FAIR DISCLOSURE WIRE
February 11, 2004
JOURNAL CODE: WFDW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 4722

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... factors lowered non-utility results early in 2003. First, we experienced high gas prices and **volatility** , **contract** price risk, and an in ability to withdraw sufficient volumes from storage to match up... came from our rate case in Kansas. These increases followed a $2.8 million rate **settlement** we reached with the city of Amarillo, Texas in August of 2003. And we currently...

... and quality continues to be one of our premier goals. We reached -- in our Amarillo **settlement** we were able to include weather normalization in that particular **settlement** , we reached a Kansas **settlement** that included weather normalization. Our filings in Lubbock and West Texas seek weather normalization and... invest in us that what we want to do is take

weather out of the **equation** so we're not talking about it all the time about well we're down...
... you file with the cities, and then if you're not able to reach a **settlement** you have the right to go to the railroad commission, our goal is always to...to use natural gas. So we need to work on the supply end of the **equation** , and we're going to continue to do that as Atmos and then, of course...

5/3,K/5 (Item 1 from file: 101)
DIALOG(R)File 101:Disclosure Database(R)

00269247
CLEVELAND CLIFFS INC
Disclosure Co No: C412600000
Company Status: Active

Exchange: NYS
Ticker Symbol: CLF
Location of Incorporation: OH

Primary SIC Code: 1011
Other SIC Codes: 1081; 4432; 4731

Description of Business:
THE GROUP'S PRINCIPAL ACTIVITY IS TO PRODUCE AND MARKET IRON ORE PELLETS. THE GROUP ALSO MANAGES AND OWNS INTERESTS IN NORTH AMERICAN MINES, AS WELL AS, ANCILLARY COMPANIES THAT PROVIDE TRANSPORTATION AND OTHER SERVICES TO THE MINES. IT MANUFACTURES 13 GRADES OF IRON ORE PELLETS, INCLUDING STANDARD, FLUXED AND HIGH MANGANESE. THESE PELLETS ARE SUPPLIED TO INTEGRATED STEEL COMPANIES IN THE UNITED STATES AND CANADA. CUSTOMERS INCLUDE INTERNATIONAL STEEL GROUP INC, ALGOMA STEEL INC, ROUGE INDUSTRIES INC, WEIRTON STEEL CORPORATION, ISPAT INLAND INC AND WCI STEEL INC. THE GROUP CARRIES OUT PRODUCTION ACTIVITIES IN THE UNITED STATES, CANADA AND OTHER COUNTRIES. ON 01-DEC-2003, THE GROUP ACQUIRED EVELETH MINES LLC.

Full record with Footnotes in Fmt 9

Management Discussion:
...limit the magnitude of the Company's annual price
changes.
Subsequent Event -- International Pellet Price **Settlement**
The major iron ore producers of Brazil and Eastern Canada annually negotiate and publish the...

...6, 2004, Companhia Val do Rio Doce ("CVRD"), Brazil's principal iron ore producer, reached **settlement** on its 2004 price for blast furnace pellets
with a major European consumer. The price

Footnotes:
...Cleveland-Cliffs Inc and Consolidated Subsidiaries
Notes to Consolidated Financial Statements -- (Continued)
related asset. Upon **settlement** of the liability, a gain or loss is recorded.
The cumulative effect of this accounting...is
expected to be in the form of cash. The plans are not subject to **any** minimum
regulatory funding requirements.
Contributions by participants to the other benefit plans were $2.5

million and $1.7 **million** for the years ending December **31** , 2003 and 2002,
respectively.
Estimated Cost for 2004
For 2004, the **Company** , including its share of the plans of its unconsolidated ventures, estimates net periodic benefit cost...

5/3,K/6 (Item 2 from file: 101)
DIALOG(R)File 101:Disclosure Database(R)

00268725
BANK OF AMERICA CORP
Disclosure Co No: B120623250
Cross Reference: WAS BANKAMERICA CORP NEW
Company Status: Active

Exchange: NYS
Ticker Symbol: BAC
Location of Incorporation: DE

Primary SIC Code: 6021
Other SIC Codes: 6282; 6411; 6162; 6712

Description of Business:
THE GROUP'S PRINCIPAL ACTIVITIES ARE TO PROVIDE BANKING AND CERTAIN NON-BANKING FINANCIAL SERVICES AND PRODUCTS BOTH DOMESTICALLY AND INTERNATIONALLY. THE GROUP OPERATES IN 21 STATES AND THE DISTRICT OF COLUMBIA THROUGH ITS NETWORK OF 4,277 BANKING CENTERS, 13,241 ATMS LOCATED IN 30 COUNTRIES. THE GROUP IN FOUR SEGMENTS: CONSUMER AND COMMERCIAL BANKING, ASSET MANAGEMENT, GLOBAL CORPORATE AND INVESTMENT BANKING AND EQUITY INVESTMENTS. THE SERVICES INCLUDE DEPOSIT PRODUCTS, LENDING LOANS, INVESTMENT BANKING, CAPITAL MARKETS, AND LEASING AND FINANCIAL ADVISORY SERVICES. THE PRODUCTS AND SERVICES ARE PROVIDED TO INDIVIDUALS, SMALL BUSINESSES, MIDDLE MARKET COMPANIES, FINANCIAL INSTITUTIONS AND GOVERNMENT ENTITIES. THE OPERATIONS ARE CARRIED OUT IN THE UNITED STATES, ASIA, EUROPE, MIDDLE EAST, AFRICA AND LATIN AMERICA. IN 24-FEB-2004, THE GROUP ACQUIRED DIRECT ACCESS FINANCIAL CORP.

Full record with Footnotes in Fmt 9

Management Discussion:
...rate was impacted by a $488 million reduction in income tax expense resulting from a **settlement** with the IRS generally covering tax years ranging from 1984 to 1999 but including tax

Footnotes:
...Expected **Volatility**
... 150 $ 68

5/3,K/7 (Item 3 from file: 101)
DIALOG(R)File 101:Disclosure Database(R)

00264930
HARTFORD FINANCIAL SERVICES GROUP INC
Disclosure Co No: H230400000
Cross Reference: WAS ITT HARTFORD GROUP INC
Company Status: Active

Search Report from Ginger R. DeMille

Exchange: NYS
Ticker Symbol: HIG
Location of Incorporation: DE

Primary SIC Code: 6331
Other SIC Codes: 6311

Description of Business:
THE GROUP'S PRINCIPAL ACTIVITY IS TO PROVIDE DIVERSIFIED INSURANCE AND FINANCIAL SERVICES. IT PROVIDES INVESTMENT PRODUCTS, INDIVIDUAL LIFE, GROUP LIFE AND GROUP DISABILITY INSURANCE PRODUCTS AND PROPERTY AND CASUALTY INSURANCE PRODUCTS IN THE UNITED STATES. THE GROUP WRITES COMMERCIAL, PROPERTY AND CASUALTY INSURANCE, PERSONAL AUTOMOBILE AND HOMEOWNERS COVERAGE AND A VARIETY OF LIFE INSURANCE PLANS. THE PROPERTY AND CASUALTY SEGMENT CONSISTS OF FOUR LINES OF BUSINESS - COMMERCIAL, PERSONAL, REINSURANCE, INTERNATIONAL AND OTHER OPERATIONS. THE INSURANCE PRODUCTS AND SERVICES ARE PROVIDED TO BOTH INDIVIDUAL AND COMMERCIAL CUSTOMERS IN THE UNITED STATES AND INTERNATIONALLY. THE GROUP HAS OPERATIONS IN THE UNITED KINGDOM AND OTHER EUROPEAN COUNTRIES.

Full record with Footnotes in Fmt 9

Management Discussion:
...Western MacArthur Company
(collectively, or individually, "MacArthur") if the conditions to the consummation of our **settlement** with MacArthur are not satisfied; the uncertain
nature of damage theories and loss amounts and...

...litigious
environment as evidenced by changes in claimant attorney representation in the
claims negotiation and **settlement** process, (4) changes in the judicial environment regarding the interpretation of policy provisions relating to ...

...line of
business level, taking into consideration the variety of trends that impact the
ultimate **settlement** of claims for the subsets of claims in each particular line
of business. Adjustments to...

...of
the insured loss and either the reporting of the claim to the insurer, the **settlement** of the claim, or the payment of the claim can be substantial and in
some...

...the jurisdictions where underlying claims have been brought, past and anticipated future claim activity, past **settlement** values of similar claims, allocated claim adjustment expense, and potential bankruptcy impact. The Hartford's...

...of insurers and reinsurers to estimate the ultimate reserves necessary for unpaid losses and related **settlement** expenses. Conventional reserving techniques cannot reasonably estimate the ultimate cost of these claims, particularly during
Footnotes:

5/3,K/8 (Item 4 from file: 101)
DIALOG(R)File 101:Disclosure Database(R)

00259337
HARTFORD LIFE INSURANCE CO
Disclosure Co No: H234300000
Company Status: Active

Exchange: OTH
Ticker Symbol: N/A
Location of Incorporation: DE

Primary SIC Code: 6311
Other SIC Codes: 6321

Description of Business:
THE GROUP'S PRINCIPAL ACTIVITIES ARE TO PROVIDE FINANCIAL SERVICES AND INSURANCE PRODUCTS SUCH AS VARIABLE ANNUITIES AND INDIVIDUAL AND CORPORATE OWNED LIFE INSURANCE. THE GROUP IS ORGANIZED INTO THREE REPORTABLE OPERATING SEGMENTS: INVESTMENT PRODUCTS, INDIVIDUAL LIFE AND CORPORATE OWNED LIFE INSURANCE ('COLI'). THE INVESTMENT PRODUCTS SEGMENT FOCUSES, THROUGH THE SALE OF INDIVIDUAL VARIABLE AND FIXED ANNUITIES, RETIREMENT PLAN SERVICES AND OTHER INVESTMENT PRODUCTS. THROUGH THE INDIVIDUAL LIFE SEGMENT THE GROUP EARNS FEES, BASED ON POLICYHOLDERS' ACCOUNT VALUES, FOR MANAGING VARIABLE ANNUITY ASSETS AND MAINTAINING POLICYHOLDER ACCOUNTS. THE GROUP INCLUDES IN 'OTHER' CORPORATE ITEMS NOT DIRECTLY ALLOCABLE TO ANY OF ITS REPORTABLE OPERATING SEGMENTS. THE GROUP IS A WHOLLY OWNED SUBSIDIARY OF HARTFORD LIFE AND ACCIDENT INSURANCE COMPANY.

Full record with Footnotes in Fmt 9

Management Discussion:
...higher
sales in the institutional investment products business, specifically, in the
terminal funding and structured **settlement** businesses. Additionally, net
investment income increased due to higher general account assets in the
individual...

...2003, COLI other expenses decreased due to a $9 after-tax benefit, associated
with the **settlement** for the Bancorp Services, LLC ("Bancorp") litigation. (For
further discussion of the Bancorp litigation, see

5/3,K/9 (Item 5 from file: 101)
DIALOG(R)File 101:Disclosure Database(R)

00243042
HARTFORD LIFE INC
Disclosure Co No: H234061500
Company Status: Active

Exchange: NYS
Ticker Symbol: HLI
Location of Incorporation: DE

Primary SIC Code: 6211
Other SIC Codes: 6311; 6719

Description of Business:
HOLDING COMPANY WITH SUBSIDIARIES WHICH PROVIDE INVESTMENT PRODUCTS, SUCH AS INDIVIDUAL VARIABLE AND FIXED RATE ANNUITIES, DEFERRED COMPENSATION PLAN SERVICES AND MUTUAL FUNDS FOR SAVINGS AND RETIREMENT NEEDS; UNDERWRITE AND SELL VARIETY OF INDIVIDUAL LIFE INSURANCE PRODUCTS; AND SELLS GROUP LIFE AND DISABILITY INSURANCE, AND CORPORATE-OWNED LIFE INSURANCE.

Full record with Footnotes in Fmt 9
Management Discussion:
...higher sales in the institutional investment products business, specifically, in
the terminal funding and structured **settlement** businesses. Additionally, net
investment income increased due to higher general account assets in the individual...and guaranteed separate accounts totaling $12.1 billion and $11.8 billion as of December **31** , 2003 and 2002, respectively, wherein the
Company contractually

Footnotes:
.....2001

5/3,K/10 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

04143967 SUPPLIER NUMBER: 08113427 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Estimating the cost of switching rights on natural gas pipelines.
Graves, Frank C.; Read, James A., Jr.; Carpenter, Paul R.
Energy Journal, v10, n4, p59(23)
Oct, 1989
ISSN: 0195-6574 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 7620 LINE COUNT: 00591

... market. The exodus of customers thus far has been very large indeed, contributing to pipeline **settlement** costs for take-or-pay contracts that reached $8.7 billion by March 1989. (3...S.sub.T-1]) + PV([V.sub.T][off]), PV([V.sub.T][on])}

This **equation** says that the cost of the departure rights is the maximum of

* the transaction cost...value of the underlying asset can be expressed in the form of a partial differential **equation** and a set of boundary conditions. The partial differential **equation** is essentially the same for all options; distinctions among options are reflected chiefly in the...

...extreme values of the underlying asset. In some cases the solution to the partial differential **equation** is a **formula** . (7) In most cases, including the switching rights problem, a closed-form solution does not exist, so the partial differential **equation** must be solved using numerical approximation techniques. The partial differential **equation** and boundary conditions for the departure rights specified in **equations** (9) and (10) are described in the Appendix.

COST BEHAVIOR OF SWITCHING RIGHTS

To develop...but on all of the other parameters specified at the outset of this analysis: price **volatility** , **contract** duration, interest rate, and convenience yield (forward price of gas). Table 4 summarizes the effect...obtained from the filings of 23 major interstate pipelines for recovery of take-or-pay **settlement** contract reformation costs prior to March 31, 1989, pursuant to FERC Order No. 500, Docket...

5/3,K/11 (Item 1 from file: 180)
DIALOG(R)File 180:Federal Register

DIALOG Accession Number: 03121921 Supplier Number: 67148093
Medicare Program; Changes to the Hospital Inpatient Prospective Payment Systems and Fiscal Year 2003 Rates
Volume: 67 Issue: 148 Page: 49982
CITATION NUMBER: 67 FR 49982
Date: Thursday, August 1, 2002

TEXT:
... that varies according to the DRG to which a beneficiary's stay is assigned. The **formula** used to calculate payment for a specific case multiplies an individual hospital's payment rate... matters. After considering the opinions expressed at the public meetings and in writing, the Committee **formulates** recommendations, which then must be approved by the agencies.

The Committee presented proposals for coding...L., et. al., "Efficacy and Safety of Recombinant Human Activated Protein C for Severe Sepsis," **Vol** . 344, No, 10, p. 699).

Xigris SUP TM was approved by the FDA in November...a random sample of all cases in these DRGs across all hospitals.
FOOTNOTE 2 The **formula** is n = 4[sigma] SUP 2/B SUP 2, where [sigma] is the standard deviation...

5/3,K/12 (Item 2 from file: 180)
DIALOG(R)File 180:Federal Register

DIALOG Accession Number: 02383801 Supplier Number: 960803164
Regulations Restricting the Sale and Distribution of Cigarettes and Smokeless Tobacco to Protect Children and Adolescents
Volume: 61 Issue: 168 Page: 44396
CITATION NUMBER: 61 FR 44396
Date: WEDNESDAY, AUGUST 28, 1996

TEXT:
...Drug Evaluation and Research and the Center for Devices and Radiological Health (the Drug/Device **Agreement**); and Intercenter Agreement Between the Center for Drug Evaluation and Research and the Center for...

... Center generally will have the lead responsibility for regulating particular types of products. The Intercenter **Agreements** also state which regulatory authority usually will be applied to specific products. For example, the...

... that FDA will usually take with such products, the earlier language of the Drug/Device **Agreement** expressly recognizes that FDA may use its

device authorities where appropriate, and as discussed in...
...this product would appear to fit into the category of a "liquid * * * or other similar **formulation** intended only to serve as a component * * * to a device with a primary mode of...897.3(c).

Proposed Sec. 897.3(e) would have defined "nicotine" by its chemical **formula** , 3-(1-Methyl-2-pyrolidinyl) pyridine, and would have included any salt or complex of... way of illustration because, as the Supreme Court stated in Dotterweich, "(t)o attempt a **formula** embracing the variety of conduct whereby persons may responsibly contribute in furthering a transaction forbidden...

5/3,K/13 (Item 3 from file: 180)
DIALOG(R)File 180:Federal Register

DIALOG Accession Number: 02274118 Supplier Number: 930201997
Privacy Act of 1974; Reissuance of DOD Systems of Records Notices
Volume: 58 Issue: 33 Page: 10002
CITATION NUMBER: 58 FR 10002
Date: MONDAY, FEBRUARY 22, 1993

TEXT:
...Purpose(s):

To monitor travel advances against individual's authorized official travel and to ensure **settlement** of indebtedness to the Government.

Routine uses of records maintained in the system, including categories...

...in the performance of their duties.

Retention and disposal:

Records are destroyed 1 year following **settlement** of an individual's travel advance account.

System manager(s) and address:

Commander, Army and...favor of the Army. Evidence developed is used as a legal basis to support the **settlement** of claims. Data are also used as a management tool to supervise claims operations at...collection activities and answer inquiries pertaining to such collection activity. This information is to establish, **formulate** , maintain, monitor accounts receivables and administer the Federal Claims Collection Act(s).

Routine uses of...following which they are destroyed.

Records of travel payments are retained for 3 years following **settlement** at installation making current payments. Military member's record of outstanding advance payments is transferred...

... performing invitational travel are destroyed 1 year from date of final

payment.

Copies of travel **settlement** vouchers are destroyed after 1 year.

System manager(s) and address:

Comptroller of the Army...

5/3,K/14 (Item 4 from file: 180)
DIALOG(R)File 180:Federal Register

DIALOG Accession Number: 02244442 Supplier Number: 920603701
Air Contaminants
Volume: 57 Issue: 114 Page: 26002
CITATION NUMBER: 57 FR 26002
Date: FRIDAY, JUNE 12, 1992

TEXT:
...Maritime and
Agriculture
G. Index to Preamble Discussion of Individual Substances
H. Mixture or Computation **Formulae**
II. Pertinent Legal Authority
III. Glossary
IV. Health Effects of Substances to be Regulated
A...and gasoline. It will also reconsider the four substances it agreed to reconsider pursuant to **settlement** agreements reached with industry. These are nitroglycerin and ethylene glycol dinitrate for the civilian explosives...

... a STEL.) And (2) Table Z-3 presents mineral dust limits, some of which are **formulas** , not specific numbers.

OSHA believes that a single table, with the same concepts and specific numbers rather than complex **formulae** will be easier for the public to use, understand and comply with. Accordingly OSHA is...

... 2 substances, utilizing the Peak levels as STELs and not incorporating the ceilings. In addition, **formulas** are being converted to the nearest gravimetric measurement (weight per unit volume).

OSHA believes these...analysis is -.21, while the probability of death in their sample is .28. Applying the **formula** to interpret logit coefficients found on p. 791 of Judge et.al (1988) gives 4...999, as reported in the first column of Duleep's Table 1. Applying again the **formula** for interpreting logit coefficients found on p. 791 of Judge et al., implies that the...IV.C.10

1439	Zirconium compounds	Varies	Systemic irritation	IV.C.8
			toxicity	

H. Mixture **Formula**

The current OSHA PELs for general industry, construction, and maritime are covered by a mixture or computation **formula** . It is located at 29 CFR 1910.1000(d) for general industry. In construction it is incorporated by

cross reference to the 1970 ACGIH TLVs. Maritime includes the mixture **formula** by cross reference either to Sec. 1910.1000 or to the 1970 ACGIH TLVs.

The purpose of the mixture **formula** is to protect the health of workers exposed to two or more toxic substances. If...

...often not protect the worker from material health impairment.

Consequently, in these circumstances the mixture **formula** keeps exposure below the maximum for each of the several substances the workers are exposed...

... than 50% of the PEL of a second substance which causes cardiovascular disease. The mixture **formula** is only applied by OSHA when the substances affect the same organ, or cause the...

... Council for Science, Engineering and Technology (FCCSET) give advice on the use of the mixture **formula** . The Council will hold a conference in December on the issue.
Both EPA and FDA...

... issue and will participate. Depending on the Council's advice, OSHA may open the mixture **formula** for reconsideration in the first update of the PELs for all industry sectors. It would...of course, is the same for all workers.

OSHA is proposing to include the mixture **formula** for agriculture because of the health reasons stated above, its long acceptance in occupational health...

... and for consistency among the sectors. OSHA is not opening the issue of the mixture **formula** for construction and maritime since it already applies and would be premature prior to the...potentially faced by workers exposed to these toxicants.

BIPHENYL (DIPHENYL) CAS: 92-52-4; Chemical **Formula** : C6H5C6H5 H.S. No. 2019

In general industry, construction, and maritime, OSHA's current permissible...
...this substance consistent across all regulated sectors.

n-BUTYL ALCOHOL CAS: 71-36-3; Chemical **Formula** : CH3CH2CH2CH2OH H.S. No. 1051

In construction, shipyards, marine terminals, and longshoring operations, OSHA's...substance consistent across all regulated sectors.

CHLORINATED CAMPHENE (60 Percent) CAS: 8001-35-2; Chemical **Formula** : C10H10C18 H.S. No. 1078

In construction, shipyards, marine terminals, and longshoring operations, OSHA currently... PELs for this substance consistent across all regulated sectors.

DECABORANE CAS: 17702-41-9; Chemical **Formula** : B10H14 H.S. No. 1114

In construction and maritime, OSHA's current limit for decaborane...

...PELs for this substance consistent across all regulated sectors.

DIBORANE CAS: 19287-45-7; Chemical **Formula** : B2H6 H.S. No. 2054

In general industry, construction, and maritime, OSHA's current permissible...consistent across all OSHA-regulated sectors.

Di-sec-OCTYL PHTHALATE CAS: 117-81-7; Chemical **Formula** : C24H38O4 H.S. No. 1116

OSHA's current limit for di-sec-octyl phthalate in... PELs for this substance consistent across all regulated sectors.

DICHLOROACETYLENE CAS: 7572-29-4; Chemical **Formula** : ClCICCl H.S. No. 1123

OSHA currently has no limit for dichloroacetylene in the agriculture...

...substance consistent across all regulated sectors.

DIPROPYLENE GLYCOL METHYL ETHER CAS: 34590-94-8; Chemical **Formula** : CH3OC3H6OC3H6OH H.S. No. 1149

For the construction and maritime industries, OSHA currently has an...for this substance consistent across all regulated sectors.

n-HEXANE CAS: 110-54-3; Chemical **Formula** : CH3(CH2)4CH3 H.S. No. 1200

OSHA's current 8-hour PEL for n...across all regulated sectors.

2-HEXANONE (METHYL n-BUTYL KETONE) CAS: 591-78-6; Chemical **Formula** : CH3CO--CH2CH2CH2CH3 H.S. No. 1202

In construction, marine terminals, shipyards, and longshoring operations, OSHA...for this substance consistent across all regulated sectors.

IRON PENTACARBONYL CAS: 13463-40-6; Chemical **Formula** : Fe(CO)5 H.S. No. 1216

In construction, shipyards, marine terminals, and longshoring operations ...

...PELs for this substance consistent across all regulated sectors.

LINDANE CAS: 58-89-9; Chemical **Formula** : C6H6Cl6 H.S. No. 2100

The current OSHA PEL for lindane in general industry, construction...for this substance consistent across all regulated sectors.

MANGANESE compounds CAS: 7439-96-5; Chemical **Formula** : Mn H.S. No. 2103

In general industry, construction, and maritime, OSHA's current limit... its compounds consistent across all OSHA-regulated sectors.

MANGANESE FUME CAS: 7439-96-5; Chemical **Formula** : MnO H.S. No. 1236a

In construction, marine terminals, shipyards, and longshoring operations, OSHA currently...this substance consistent across all regulated sectors.

MANGANESE CYCLOPENTADIENYL TRICARBONYL CAS: 12079-65-1; Chemical **Formula**

: C5H5--Mn(CO)3 H.S. No. 1237

In construction, maritime, and agriculture, OSHA has...

...for this substance consistent across all regulated sectors.

MANGANESE TETROXIDE CAS: 1317-35-7; Chemical **Formula** : Mn3O4 H.S. No. 1238
OSHA has no exposure limit in construction, maritime, or agriculture... consistent across all regulated sectors.

MERCURY (ARYL AND INORGANIC COMPOUNDS) CAS: 7439-97-6; Chemical **Formula** : Hg H.S. No. 1240

For the construction and maritime industries, OSHA's current limit...for these substances consistent across all regulated sectors.

MERCURY (VAPOR) CAS: 7439-97-6; Chemical **Formula** : Hg H.S. No. 1241

OSHA's current limit for mercury (including vapor) in construction...for these substances consistent across all regulated sectors.

METHYL ACETYLENE CAS: 74-99-7; Chemical **Formula** : CH3CCH H.S. No. 2104

The current OSHA PEL for methyl acetylene in general industry...

...PEL for this substance consistent across all regulated sectors.

METHYLACRYLONITRILE CAS: 126-98-7; Chemical **Formula** : CH2=C(CH3)C!N H.S. No. 1251

In construction, maritime, and agriculture, OSHA...for this substance consistent across all regulated sectors.

METHYL BROMIDE CAS: 74-83-9; Chemical **Formula** : CH3Br H.S. No. 1253

OSHA's current PEL for methyl bromide in construction, shipyards...

5/3,K/15 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01077551 **Image available**
METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS TO FACILITATE THE FORMATION AND TRADING OF DERIVATIVES CONTRACTS
PROCEDES, SYSTEMES ET PRODUITS DE PROGRAMME INFORMATIQUE FACILITANT LA FORMATION ET LE NEGOCE DE CONTRATS DERIVES
Patent Applicant/Inventor:
KONGTCHEU Phil, PFK Technologies, 1866 John F. Kennedy Boulevard, Suite B1, Jersey City, NJ 07305, US, US (Residence), US (Nationality)
Patent and Priority Information (Country, Number, Date):
Patent: WO 2003107137 A2-A3 20031224 (WO 03107137)
Application: WO 2003US19179 20030618 (PCT/WO US03019179)
Priority Application: US 2002389730 20020618
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM

ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 36256

Fulltext Availability:
Detailed Description
Claims

Detailed Description
... The exchange system management operating 2 and responsible for control and compliclucc operations, clearing and **settlement** verifications and more globally cxchange system risk management.

I contains an input interfacc 11 through...

...price taker ass well as the market makers are sent to 24 for clearing and **settlement** . Trade Confirmations arc then sent through 18 to the price taker and through 32 to...

...may also be sent to 61 to obtain the market basis instruments prices. Using our **formula** [161 obtained in our detailed description to mAcnd the Breeden Litzenberger formilla, we obtain the...

...hedging any dcriv-ativc security defined in the most general sense. It describes a decomposition **formula** that precisely shows how any derivative security is decomposed in these basis instrimicntq. The importance...

...the atom and the inventory of all atoms given by the Mendclciev table. Our decomposition **formula** is analogous to describing the genetic composition of each possible living being, once identified; in physics or chemistry, our decomposition **formula** could be equivalent to providing the atomic composition of each described material, whether solid, liquid ...

...price of the option with respect to the underlying (also called delta) according to the **formula** they calculated. Under a most general extension of their work, the argument goes as follows...

...11f+1U2(Ft)112f At
8S Ot 2 =03 2]
lim
At@o At 0
Formula (6) shows that a portfolio consisting of a long position in the derivative contract whose...

...aSt2) ast
(12) and (10) were obtained by Black, Scholcs & Morton. Recognizing in (12) an **equation** reducible to the heat **equation** well known in Physic,97 they were able to derive the celebrated closed form **formula** carrying their name.

Call(So @ K@ 01 T) = SON(do + (YvT-)
Ke-,,TN(do

Log...

...be cquivalout to stating that a system of sn unknown would be determined by ns **equations** without any empirical or economic justification on the rulc used to determine the remaining sn-ns **equations** .

The most advanced models used in practice ire now going back to and extending models

Claim
... an expansion scheme or a Euler scheme.
96 The computer program product as in claim **95** wherein the expansion scheme is a Hermite expansion.

97 A method for pricing a derivatives...

...the underlyings together with parameters representative of value choices available to any stakeholder, whether buyer **or** seller. 100. The method of claim 97 wherein said functional format for the description of...said derivatives contract.